

## CLAIMS

1. In a wireless communication system in which a remote station  
2 transmits a reverse link signal comprising a plurality of subchannel signals, a  
power control subsystem located in a base station for independently adjusting  
4 the transmission power of each of said plurality of subchannel signals,  
comprising:

6 receiver means for receiving said reverse link signal and demodulating  
said reverse link signal to provide said plurality of subchannel signals;

8 quality measurement means for receiving each of said plurality of  
subchannel signals and for measuring the quality of each of said subchannel  
10 signals; and

message generator means for generating a power control message for  
12 adjusting the transmit power of at least one of said plurality of subchannel  
signals.

2. The power control system of Claim 1 further comprising:

2 a modulator for modulating said power control message in accordance  
with a modulation format.

3. In a wireless communication system in which a remote station  
2 transmits a reverse link signal comprising a plurality of subchannel signals  
wherein a remote station power control subsystem independently adjusts the  
4 transmit power of each said subchannel signal based upon a received power  
control message, said power control subsystem comprising:

6 receiver means for receiving said power control message and for  
providing a plurality of gain values based on said power control message; and

8 a plurality of gain adjust means, each of said gain adjust means for  
receiving a corresponding subchannel signal and a corresponding gain value  
10 and adjusting the gain of said subchannel signal in accordance with said gain  
value.

4. A method of controlling transmit power of a remote station which  
2 transmits a reverse link signal comprising a plurality of subchannel signals, said  
method comprising:

4 receiving said reverse link signal;

demodulating said reverse link signal to obtain said plurality of  
6 subchannel signals;

generating a power control message for use in adjusting the transmit  
8 power of at least one of said plurality of subchannel signals in accordance with  
a quality measurement or an energy measurement associated with a  
10 corresponding one of said subchannel signals;  
transmitting said power control message to the remote station; and  
12 controlling the transmit power of said at least one of said plurality of  
subchannel signals in accordance with said power control message.

2 5. The method of Claim 4 wherein the step of generating generates a  
power control message for use in adjusting the transmit power of a plurality of  
4 said subchannel signals; and  
independently controlling the transmit power of said plurality of  
6 subchannel signals in accordance with said power control message.

2 6. A method of controlling transmit power of a remote station which  
transmits a reverse link signal comprising a plurality of subchannel signals,  
wherein the transmit power of one or more of said plurality of subchannel  
4 signals is independently adjusted based upon a received power control  
message, said method comprising:  
6 receiving said power control message;  
obtaining one or more gain values from said power control message; and  
8 receiving a corresponding subchannel signal and a corresponding gain  
value at one or more of a plurality of gain adjusters and independently  
10 adjusting the gain of each subchannel signal in accordance with said gain value.